

**GeNei™ Amplification Reagents Set (for Human Papilloma Virus)**

Cancer of the uterine cervix is the most common malignant tumor in women worldwide. Human Papilloma Virus (HPV) has been identified as the 'necessary cause' of cervical cancer. It has been shown from several studies that HPV infection is a good marker for women with cervical neoplasia and precancerous lesion. Women persistently infected with certain "oncogenic" HPV show a high rate of progression of dysplasia to invasive cancer of the cervix. Therefore, in best traditions of medical practice, the clinicians are obligated to seek out the presence of causal agents of the disease, the oncogenic types of HPV. Thus, diagnosis of HPV infection may facilitate early identification of women at increased risk of developing cervical cancer.

This set is based on the amplification of E6 and E7 genes of oncogenic HPVs (HPV-16, 18, 31, 33, 35, 45, 52b and 58) using consensus primers. The E6 and E7 genes are preferentially conserved even when the viral DNA gets integrated into the human chromosome. Thus, the amplification targeting E6 and E7 region is less likely to produce false negative results.

**Note: For Research use only. Not for diagnostic applications.**

**Ordering Information:**

Product	Size	Cat #
GeNei™ Amplification Reagents Set for Human Papilloma Virus (for 25 tests)	1 Pack	105506
GeNei™ Amplification Reagents Set for Human Papilloma Virus (with GeNei™ Spin DNA Extraction Kit) (for 25 tests)	1 Pack	104771

**Highlights:**

- This set greatly facilitates and speeds up the detection of HPV by standard amplification methods.
- Detects oncogenic HPV types present in samples.
- Simulated positive control included in the set.
- Fast and simple DNA extraction protocol.
- The reagents are packed in convenient aliquots to reduce the chances of contamination.
- The results can be obtained within 4-5 hours.

**Materials Provided:**

- Sample Collection Buffer
- Sample Wash Buffer
- DNA Extraction Buffer
- Proteinase K
- HPV Amplification Mix
- GeNei™ HotStart Taq DNA Polymerase
- Positive Control DNA
- DNA Molecular Weight Marker
- Gel Loading Buffer

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